

ework Exercises

For more exercises, see Extra Skills and Word Problems.

Help

Solve each equation. Check the solution. Remember, you can draw a diagram to help you solve an equation.

es See Example

1

$$6. x + 46 = 72$$

$$7. d + 5 = 53$$

$$8. y + 12 = 64$$

2

$$9. n + 17 = 56$$

$$10. m + 1.3 = 2.8$$

$$11. n + 4.5 = 10.8$$

$$12. 14.7 = 5 + f$$

$$13. 31 + y = 82$$

$$14. 28 + g = 72$$

$$15. 15 = k + 8.2$$

$$16. 2.7 + g = 8.2$$

$$17. 2.6 = 1.9 + g$$

Write and solve an equation. Then check the solution.

18. You build 7 model airplanes during the summer. At the end of the summer, you have 25 model airplanes. How many model airplanes did you have before the summer?

19. **Music History** Wolfgang Amadeus Mozart wrote his first piano sonata in 1762, when he was 6 years old. In what year was Mozart born?



20. **Guided Problem Solving** Jeans that were on sale last week now cost \$29.97. The savings were \$4.99. Write and solve an equation to find the sale price of the jeans.

- You can draw a diagram to help you write an equation.

Full price of jeans	
Sale price p	Savings \$4.99

er 3 Patterns and Variables

Solve each equation. Then check the solution.

$$24. y + 13.82 = 24$$

$$25. 1.5 + x = 9.7$$

$$26. 0.4 + g = 1.9$$

$$27. 6.2 = j + 5.91$$

$$28. b + 0.87 = 1$$

$$29. 11.4 = h + 5.9$$

30. **Challenge** A large stepping stone weighs five times as much as a brick. Together, one brick and one stepping stone weigh 30 pounds. Find the weight of the stepping stone.